

WHAT IS CLAIMED IS:

1 1. A display apparatus, comprising:
2 a display panel;
3 a chassis comprising a base that supports the display panel, the chassis further comprising
4 a flange formed along an upper edge of the base and arranged to prevent the base from bending, the
5 flange being perforated by a hole;
6 a printed circuit board with parts mounted thereon, the printed circuit board being mounted
7 on the base of the chassis and being adapted to drive the display panel; and
8 a case accommodating the display panel, the chassis, and the printed circuit board.

1 2. The display apparatus of claim 1, the case being perforated by a plurality of air inlet holes
2 in a rear lower portion and a plurality of air outlet holes in a rear upper portion.

1 3. The display apparatus of claim 1, the flange being perforated by a plurality of air passage
2 holes.

1 4. The display apparatus of claim 1, the hole perforating the flange being rectangular in
2 shape.

1 5. The display apparatus of claim 1, the hole perforating the flange being elliptical in shape.

1 6. The display apparatus of claim 1, the chassis further comprising a reinforcing rib.

1 7. The display apparatus of claim 1, wherein the base and the flange of the chassis are
2 formed as a single integrated monolithic unit.

1 8. The display apparatus of claim 2, the hole perforating the flange being in operational
2 relationship with the plurality of air outlet holes perforating the case.

1 9. The display apparatus of claim 2, the air inlet holes and the air outlet holes being on a rear
2 cover of the case, the flange on the chassis being essentially perpendicular to the base of the chassis
3 and extending towards said rear cover.

1 10. The display apparatus of claim 2, the hole in the flange being near the air outlet holes
2 in the rear cover.

1 11. The display apparatus of claim 2, the display apparatus being absent of a fan.

1 12. The display apparatus of claim 2, the display panel being a plasma display panel.

1 13. The display apparatus of claim 1, the display apparatus further comprising flexible

2 printed circuits adapted to drive the display.

1 14. A display apparatus, comprising:

2 a display panel displaying variable images;

3 a chassis comprising a base, the base of the chassis supporting the display panel, the chassis
4 further comprising a flange formed along an upper edge of the base, the flange being arranged to
5 prevent the base of the chassis from bending, the flange being perforated by a hole;

6 a printed circuit board with parts mounted thereon, the printed circuit board being mounted
7 on the base of the chassis, the parts on the printed circuit board being adapted to drive the display
8 panel; and

9 a case housing the display panel, the chassis, and the printed circuit board, the case having
10 a rear cover perforated by two sets of holes, the hole on the flange being near one of said two sets
11 of holes in said rear cover.

1 15. The display apparatus of claim 14, the two sets of holes in the rear cover and the hole
2 in the flange of the chassis being arranged to provide less obstruction to convection currents brought
3 about by hot air rising from the printed circuit board and the parts thereon being heated while driving
4 the display panel.

1 16. The display apparatus of claim 14, the printed circuit board being on a rear side of the
2 chassis base, the display being on a front side of the chassis base, the flange being on a rear side of

3 the chassis base.

1 17. The display apparatus of claim 14, the display apparatus being a plasma display.

1 18. The display apparatus of claim 14, the flange being perforated by a plurality of elliptical-
2 shaped holes along an entire length of the flange.

1 19. The display apparatus of claim 14, the chassis further comprising a reinforcing rib
2 attached to an end of the flange opposite the base, the reinforcing rib running along an entire length
3 of the flange.

1 20. The display apparatus of claim 18, the chassis further comprising a reinforcing rib
2 attached to an end of the flange opposite the base, the reinforcing rib running along an entire length
3 of the flange.